

## Ntsebo Mkhize

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**From:** Ntsebo Mkhize  
**Sent:** 27 November 2017 12:22 PM  
**To:** 'archaeology@amafapmb.co.za'  
**Cc:** Nyaladzi Nleya; Nkhensani Khandlhela  
**Subject:** DEA WML- Amafa\_ Provision of invoices

Tracking:	Recipient	Delivery	Read
	'archaeology@amafapmb.co.za'		
	Nyaladzi Nleya	Delivered: 2017/11/27 12:22 PM	Read: 2017/11/27 03:52 PM
	Nkhensani Khandlhela	Delivered: 2017/11/27 12:22 PM	Read: 2017/11/27 02:13 PM

Good day Weziwe

Out brief telephonic discussion refers. Please provide me with invoices for the following cases:

- Basic Assessment Process for the Proposed decommissioning (closure) of the uMzimkhulu Landfill, eMadlangeni Local Municipality, KwaZulu Natal Province: **Case nr. 11854;**
- Environmental Impact Assessment Process for the Proposed Licensing of the Mkhuze Landfill, Jozini Local Municipality, KwaZulu Natal Province: **Case nr. 11844;**
- Basic Assessment Process for the Proposed decommissioning (closure) of the Shakaville Landfill, KwaDukuza Local Municipality, KwaZulu Natal Province: **Case nr. 11852; and**
- Basic Assessment Process for the Proposed decommissioning (closure) of the eMadlangeni Landfill, eMadlangeni Local Municipality, KwaZulu Natal Province: **Case nr. 11853.**

I'm looking forward to your response.

Regards

**Ntsebo Mkhize**  
Environmental Assessment Practitioner  
+27 72 550 9669



**GA Environment**

**e:** [ntsebom@gaenvironment.com](mailto:ntsebom@gaenvironment.com) **t:** +27 11 312 2537/2584 **f:** +27 11 805 1950 **w:** [www.gladafrika.com](http://www.gladafrika.com)

**GA Environment (Pty) Ltd. Gauteng Head Office:**  
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## Ntsebo Mkhize

**From:** Ntsebo Mkhize  
**Sent:** 26 October 2017 04:11 PM  
**To:** 'sipho.msimang@kznhealth.gov.za'  
**Cc:** Nkhensani Khandlhela; Nyaladzi Nleya  
**Subject:** Environmental Assessment Processes for the proposed Licensing of the Mkhuze and eMadlangeni Landfill  
**Attachments:** Emadlangeni Landfill- Notification letter.pdf; Mkhuze Landfill - Notification letter Final.pdf; Shakaville Landfill Notification Letter.pdf; Umzimkhulu- Notification letter -13.10.2017.pdf

Tracking:	Recipient	Delivery	Read
	'sipho.msimang@kznhealth.gov.za'		
	Nkhensani Khandlhela	Delivered: 2017/10/26 04:11 PM	Read: 2017/10/26 05:45 PM
	Nyaladzi Nleya	Delivered: 2017/10/26 04:11 PM	Read: 2017/10/27 06:31 AM

Good afternoon Mr Msimango

I have been struggling to get hold of you telephonically to inform you of the proposed licensing of 4 (four) Municipal Landfills within the KwaZulu Natal Province. The Department of Health is one of the stakeholders which according to the KwaZulu Natal Department of Economic Development, Tourism and Environmental Affairs (EDTEA), must be informed of the proposed project.

I wish to formally introduce myself as Ntsebo Mkhize, an Environmental Assessment Practitioner from GA Environment (Pty) Ltd. We have been appointed by the National Department of Environmental Affairs to manage the Environmental Impact Assessment processes for the Licencing of the landfills. The details of each of the landfills are indicated in the Table below.

Landfill Site	Licence and process required	Local Municipality	District Municipality	Closest Town	GPS Coordinates
Emadlangeni	Decommissioning (Closure)- Basic Assessment	Emadlangeni	Amajuba	Utrecht	27°39'18.65"S; 30° 20' 28.20"E.
Mkhuze	Operational- Environmental Impact Assessment	Jozini	uMkhanyakude	Mkhuze	27°34'56.61"S; 32° 24' .30".
Shakaville	Decommissioning (Closure)- Basic Assessment	KwaDukuza	iLembe	KwaDukuza	29°19'48.62"S; 31° 18' 171.19"E.
uMzimkhulu	Decommissioning (Closure)- Basic Assessment	uMzimkhulu	Harry Gwala	Umzimkhulu	30°15'44.90"S; 29° 54' 17.00"E.

The objective of the Environmental Impact Assessment processes is to obtain a Waste Management Licence from the Competent Authority, the EDTEA. The processes aim to identify and assess potential environmental impacts associated with the proposed licensing of the landfills, as well as any alternatives to the development/activity and to compile appropriate mitigation measures. Please find attached aNotification Letters providing you with additional information on the projects.

Should you ,on behalf of the KZN Department of Health, wish to register as an Interested and Affected Party (I&AP) or to make suggestions and/or comments on this proposal, kindly indicate this by contacting me on **Tel:** 011 312

2537 Cell: 072 550 9669 Fax: 011 805 1950, E-mail: [environment@gaenvironment.com](mailto:environment@gaenvironment.com)/[ntsebom@gaenvironment.com](mailto:ntsebom@gaenvironment.com) or Post: P.O Box 6723 Halfway House 1685. Please register your interest in the project by no later than 28<sup>th</sup> November 2017.

We look forward to hearing from you.

Regards



**Ntsebo Mkhize**  
Environmental Assessment Practitioner  
+27 72 550 9669



**GA Environment**

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## Ntsebo Mkhize

---

**From:** Ntsebo Mkhize  
**Sent:** 27 October 2017 03:23 PM  
**To:** Msimang Siphon  
**Cc:** Stieger Avril; Pandaram Jolene; Nkhensani Khandlhela; Nyaladzi Nleya; Environment  
**Subject:** RE: Environmental Assessment Processes for the proposed Licensing of the Mkhuze and eMadlangeni Landfill

Tracking:	Recipient	Delivery	Read
	Msimang Siphon		
	Stieger Avril		
	Pandaram Jolene		
	Nkhensani Khandlhela	Delivered: 2017/10/27 03:23 PM	Read: 2017/10/27 03:23 PM
	Nyaladzi Nleya	Delivered: 2017/10/27 03:23 PM	Read: 2017/10/27 03:55 PM
	Environment	Delivered: 2017/10/27 03:23 PM	Read: 2017/10/27 03:38 PM

Good day Mr Msimang

Thank you very much for reverting back to me and for your interest in the project. We'll ensure that your details are captured on the Project Database.

Regarding the undertaking of site visits, GA Environment Consultants will be available between the 05<sup>th</sup> and 08<sup>th</sup> December 2017. Should you however prefer to visit the sites at any other time, we can provide you with the contact details of the relevant Municipal Officials who can accompany you to the landfill sites.

Please do not hesitate to contact GA Environment about any other information you may require about the projects .

Regards

**Ntsebo Mkhize**  
Environmental Assessment Practitioner  
+27 72 550 9669



**GA Environment**

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**From:** Msimang Sipho [mailto:Sipho.Msimang@kznhealth.gov.za]

**Sent:** 27 October 2017 08:06 AM

**To:** Environment <environment@gaenvironment.com>; Ntsebo Mkhize <ntsebom@gaenvironment.com>

**Cc:** Ntsebo Mkhize <ntsebom@gaenvironment.com>; Stieger Avril <Avril.Stieger@kznhealth.gov.za>; Pandaram Jolene <Jolene.Pandaram@kznhealth.gov.za>

**Subject:** Environmental Assessment Processes for the proposed Licensing of the Mkhuze and eMadlangeni Landfill

Good Day,

I acknowledge receipt of your communication on the above subject matter.

Please register my name on behalf of the KZN Department of Health accordingly.

I shall be going through the documents and arrange for an on-site visit for me to provide fully informed and appropriate comments/inputs on the proposed basic assessment processes.

Thank You.



**health**

Department:  
Health  
PROVINCE OF KWAZULU-NATAL

FIGHTING DISEASE, FIGHTING POVERTY, GIVING HOPE

*PLACING ENVIRONMENTAL HEALTH AT THE HEART  
OF HUMAN HEALTH*

Sipho B Msimang

Acting Director: Environmental Health, Malaria &  
Communicable Disease Control Directorate



033 8467508



033 8467272



sipho.msimang@kznhealth.gov.za



## Ntsebo Mkhize


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**From:** Ntsebo Mofoka  
**Sent:** 20 September 2017 10:41 PM  
**To:** 'Mokoena Nonkululeko (DBN)'  
**Cc:** Hadebe Zamashenge (DBN); 'Sibango Lwandle (DBN)'  
**Subject:** RE: Meeting and Site Visit- Shakaville Landfill, Kwadukuza Local Municipality Office

Good Evening Nonkululeko

Thank you for reverting back to me. I unfortunately received your e-mail late this morning. As per your advise, I'll liaise with Zamashenge Hadebe on DWS requirements. Please let me know if yourself or Zamashenge would like to visit the site so that we can perhaps link this to our next trip to the landfill site.

Regards

 **Ntsebo Mkhize**  
Environmental Assessment Practitioner  
+27 72 550 9669



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---

**From:** Mokoena Nonkululeko (DBN) [<mailto:MokoenaN@dws.gov.za>]  
**Sent:** 20 September 2017 08:31 AM  
**To:** Ntsebo Mofoka <[ntsebom@gaenvironment.com](mailto:ntsebom@gaenvironment.com)>  
**Cc:** Hadebe Zamashenge (DBN) <[HadebeZ@dws.gov.za](mailto:HadebeZ@dws.gov.za)>  
**Subject:** RE: Meeting and Site Visit- Shakaville Landfill, Kwadukuza Local Municipality Office

Good morning

Am not available today, kindly set up a meeting with Zamashenge Hadebe copied on this email. Her contact line is 031 336 2767. She will advise on the WULA requirements as per your email below.

Regards  
Nonkululeko Mokoena


---

**From:** Ntsebo Mofoka [<mailto:ntsebom@gaenvironment.com>]  
**Sent:** Monday, 18 September 2017 3:35 PM  
**To:** Mokoena Nonkululeko (DBN)  
**Cc:** Sibango Lwandle (DBN)  
**Subject:** RE: Meeting and Site Visit- Shakaville Landfill, Kwadukuza Local Municipality Office

Good day Miss Nonkululeko Mokoena

As per my e-mail with Lwandle below, kindly let me know if you would be available to attend an inception meeting planned for the Licensing of the Shakaville Landfill for closure. The meeting will be held at the Kwadukuza Local Municipality Office in Kwadukuza on the 20<sup>th</sup> September 2017 at 10:00. I apologise for the late invitation to the meeting. Kindly let me know if you would be available.

Regards

 **Ntsebo Mkhize**  
Environmental Assessment Practitioner  
+27 72 550 9669



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**From:** Sibango Lwandle (DBN) [<mailto:SibangoL@dws.gov.za>]  
**Sent:** 18 September 2017 11:35 AM  
**To:** Ntsebo Mofoka <[ntsebom@gaenvironment.com](mailto:ntsebom@gaenvironment.com)>

**Cc:** Mokoena Nonkululeko (DBN) <[MokoenaN@dws.gov.za](mailto:MokoenaN@dws.gov.za)>  
**Subject:** RE: Meeting and Site Visit

Good day Sir/ Madam

Kindly liaise with Nonkululeko (copied here) for this area.

*Thank you,*

*Ms. Lwandle L.L. Sibango*

*Tel : 031 - 336 2760; Cell : 082 8799 722; email : [sibangol@dws.gov.za](mailto:sibangol@dws.gov.za)*

-----Original Appointment-----

**From:** Ntsebo Mofoka [<mailto:ntsebom@gaenvironment.com>]

**Sent:** 15 September 2017 12:17 PM

**To:** Sibango Lwandle (DBN)

**Subject:** Meeting and Site Visit

**When:** 20 September 2017 10:00 AM-02:00 PM (UTC+02:00) Harare, Pretoria.

**Where:** Kwadukuza Local Municipality Office and Shakaville Landfill

**Importance:** High

Good day Ms Lwandle Sibango

I'm struggling to reach you telephonically to inform you of an inception meeting planned for the Licensing of the Shakaville Landfill for closure. The meeting will be held at the Kwadukuza Local Municipality Office in Kwadukuza on the 20<sup>th</sup> September 2017 at 10:00. The meeting will be followed by a visit to the Shakaville landfill I sincerely apologise for the late delay in the communique. I obtained your contact details from Ms Ntombi Madiba this morning who was in turn referred to me by Mr Noe Malise from the DWS Office.

We would be honoured to have you form part of the inception meeting to discuss the Licensing of the Emadlangeni landfill. Your input into the proposed project and how the requirements of DWS can be best met will be of great value. I have attached the proposed meeting agenda for your perusal and comments.

We trust that you will be able to attend the meeting.

Regards

<< File: Kwadukuza LM Meeting\_Draft  
Agenda.14.09.2017.docx >>

**Ntsebo Mkhize**  
Environmental Assessment Practitioner  
+27 72 550 9669

<< File: image001.jpg >>



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<< File: image002.jpg >>

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## Ntsebo Mkhize

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**From:** Ntsebo Mkhize  
**Sent:** 01 November 2017 05:07 PM  
**To:** 'pieter@burgerip.co.za'  
**Cc:** 'jenny.duvenage@wessa.co.za'; Nyaladzi Nleya  
**Subject:** DEA WML\_ Shakaville Landfill\_ WESSA\_ Invitation to Register as an Interested and Affected Party  
**Attachments:** Shakaville - Notification letter FINAL- 01.11.2017.pdf

Tracking:	Recipient	Delivery	Read
	'pieter@burgerip.co.za'		
	'jenny.duvenage@wessa.co.za'		
	Nyaladzi Nleya	Delivered: 2017/11/01 05:07 PM	Read: 2017/11/02 08:56 AM

Good day Mr Burger


I obtained your details from Cathryn Ritchie based at the WESSA office in Cape Town. I wish to formally introduce myself as Ntsebo Mkhize, an Environmental Assessment Practitioner from GA Environment (Pty) Ltd. We have been appointed by the National Department of Environmental Affairs to manage the Basic Assessment processes for the Licencing of the disused Shakaville Landfill in KwaDukuza which must be licenced for decommissioning.

The Shakaville landfill occupies an area of approximately 80 000m<sup>2</sup> (8 Ha) and is located on Erf 3595 Stanger within the KwaDukuza Local Municipality. Direct access is available from Mbozambo Street which is located to the north west of the site. The site centre co-ordinates are 29°19'48.62"S; 31° 18' 171.19"E. The boundaries of the site are within the riparian area of a tributary of the Mbozamo River. The Shakaville landfill ceased operations in about the year 2000 after approximately 30 years of receiving general waste from areas located within the KwaDukuza Local Municipality boundaries. The Local Municipality currently disposes of waste at the Dolphin Coast Landfill Management (DCLM), however pockets of illegal dumping of waste are evident within the site boundaries.

The objective of the Basic Assessment processes is to obtain a Waste Management Licence from the Competent Authority, the KwaZulu Natal Department of Economic Development, Tourism and Environmental Affairs (EDTEA). The process aims to identify and assess potential environmental impacts associated with the proposed licencing of the landfills, as well as any alternatives to the development/activity and to compile appropriate mitigation measures. Please find attached a Notification Letter providing you with additional information about the proposed project.

Should you, on behalf WESSA, wish to register as an Interested and Affected Party (I&AP) or to make suggestions and/or comments on this proposal, kindly indicate this by contacting me on **Tel:** 011 312 2537 **Cell:** 072 550 9669, **Fax:** 011 805 1950, **E-mail:** [environment@gaenvironment.com](mailto:environment@gaenvironment.com)/[ntsebom@gaenvironment.com](mailto:ntsebom@gaenvironment.com) or **Post:** P.O Box 6723 Halfway House 1685. **Please register your interest in the project by no later than 28<sup>th</sup> November 2017.**

Regards

 **Ntsebo Mkhize**  
Environmental Assessment Practitioner  
+27 72 550 9669



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## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA



# MINUTES OF MEETING

**PROJECT NAME:** Basic Assessment for the proposed Decommissioning (Closure) of the Shakaville Landfill, KwaDukuza Local Municipality

**MEETING:** Project Inception

**CHAIRPERSON:** Ntsebo Mkhize

**RECORDED BY:** Nyaladzi Nleya

**DATE:** 20 September 2017

**TIME:** 10:30-12:30

**VENUE:** KwaDukuza Local Municipality (No. 2 Industria Crescent, Lavoipierre Building, KwaDukuza)

ATTENDANCE			
Name	Organization	Email address	Office Contacts
Njabulo Ngwane (NN)	KwaDukuza Local Municipality	<a href="mailto:njabulon@kwadukuza.gov.za">njabulon@kwadukuza.gov.za</a>	032 437 5176
Wilson Mhlongo (WM)	KwaDukuza Local Municipality	<a href="mailto:wilsonm@kwadukuza.gov.za">wilsonm@kwadukuza.gov.za</a>	078 683 6427
Lindokuhle Gingwana (LG)	Ward 18 Councillor	<a href="mailto:lindokuhleg@kwadukuza.gov.za">lindokuhleg@kwadukuza.gov.za</a>	073 280 2300
Chuma Gushu (CG)	DEA-LGS (iLembe)	<a href="mailto:Chuma.Gushu@ilembe.gov.za">Chuma.Gushu@ilembe.gov.za</a> <a href="mailto:cgushu@environment.gov.za">cgushu@environment.gov.za</a>	078 567 4246
Nomusa Xaba (NX)	EDTEA	<a href="mailto:Nomusa.xaba@kznedtea.gov.za">Nomusa.xaba@kznedtea.gov.za</a>	032 551 0904
Makwena Makgolane (MM)	Department of Water and Sanitation (DWS)	<a href="mailto:makgolane@dwa.gov.za">makgolane@dwa.gov.za</a>	012 336 8601
Nkhensani Khandhela (NK)	GA Environment (Pty) Ltd	<a href="mailto:nkhensanik@gaenvironment.com">nkhensanik@gaenvironment.com</a>	011 312 2537
Nyaladzi Nleya (NN2)	GA Environment (Pty) Ltd	<a href="mailto:nyaladzin@gaenvironment.com">nyaladzin@gaenvironment.com</a>	011 312 2537
Ntsebo Mkhize (NM)	GA Environment (Pty) Ltd	<a href="mailto:ntsebom@gaenvironment.com">ntsebom@gaenvironment.com</a>	011 312 2537
APOLOGIES			
Masupha Mathenjwa (MM2)	iLembe District Municipality	<a href="mailto:Masupha.Mathenjwa@ilembe.gov.za">Masupha.Mathenjwa@ilembe.gov.za</a>	032 437 9300
DISTRIBUTION			
All Meeting Attendees and parties who sent apologies			



## MINUTES OF MEETING

Item	Description	Responsible	Due Date
	<ul style="list-style-type: none"> <li>- NN noted the question presented by WM and highlighted the need for this meeting to take place as soon as possible. Further to that, the municipality would like to receive monthly progress reports to enable the municipality to report to the council.</li> <li>- NN also extended an apology for the lack of representation from KwaDukuza Municipality at the meeting held in Pietermaritzburg.</li> <li>- NM reiterated that the meeting was to introduce the project team and obtain background information on the Shakaville Landfill site.</li> <li>- NK provided background to the overall project and past experience obtained on other Landfill applications. She stated that the current status of many landfills in South Africa is a concern due to the danger they pose to livestock, communities and other various other aspects of the biophysical environment. This has led the minister to formalize all unlicensed landfills according to the National Environmental Management Act, 1998 (Act No 107 of 1998 (NEMA) and the National Environmental Management Waste Act (Act No 59 of 2008).</li> </ul>		
<b>3.</b>	<b>Site information</b>		
	<ul style="list-style-type: none"> <li>- WM highlighted that waste disposal on site ceased around the year 2000 after almost 30 years of operation. The KwaDukuza Local Municipality currently disposes of their waste at the Licensed and Privately-Owned Dolphin Coast Landfill. WM added that there is no regional landfill within the iLembe District Municipality.</li> <li>- WM stated the KDM's IWMP is in the final stages</li> <li>- WM stated that the site is naturally rehabilitated LG mentioned that approximately 20 families reside within the boundaries of the landfill and at least 13 of these were unable to be provided with</li> </ul>	<b>Info.</b>	

## MINUTES OF MEETING

Item	Description	Responsible	Due Date
	<p>formal housing during the last cycle of housing provision.</p> <ul style="list-style-type: none"> <li>- <i>-Studies undertaken-</i> NN mentioned that the landfill designs provided by the Municipality to GA Environment were not vetted and new closure designs must therefore be compiled.</li> <li>- LG mentioned that additional information on the site can be obtained from Mr JK Naidoo who previously worked for the KDM and is currently employed by the Mhlathuze LM.</li> </ul>		
<b>4.</b>	<b>Responsibilities and Scope of Work</b>		
	<ul style="list-style-type: none"> <li>- NM stated that GA Environment’s appointment for the undertaking of the Basic Assessment Process for the proposed Decommissioning (Closure) of The Shakaville Landfill is from the National Department of Environmental Affairs. (DEA). She highlighted that the urgency of the project was highlighted by Mr BR Dlamini of DEA in the Inception Meeting held at the KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA) offices in Pietermaritzburg on the 01<sup>st</sup> September 2017.</li> <li>- WM highlighted that they are committed to ensuring that GA Environments receives all the required support to meet DEA’s requirements.</li> <li>- NX mentioned the importance of the submission of complete and good quality reports to EDTEA in order to avoid any rejections that can delay the issuing of the Waste Management License. She further added that they are however highly reliant on the Department of Water and Sanitation’s input on the license.</li> <li>- MM mentioned the importance of ongoing water quality post closure monitoring which may be up to (30 years) as one of the conditions. She further indicated that the closure application should be accompanied by a closure plan indicating the drainage control systems and capping design drawings that should be presented to DWS to</li> </ul>	<b>Info.</b>	

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<b>5.</b>	<b>Other matters</b>		
	<ul style="list-style-type: none"> <li>- WM will liaise with all relevant parties within the KDM to ensure that the required application forms and accompanying letters are completed</li> <li>- NM requested background information on the Landfill designs compiled by Envitech. WM indicated that the available information has been submitted to GA Environment and he is not aware of any other additional information.</li> <li>- NK enquired if there were any graves on the landfill site to which WM highlighted that the Municipality was not aware of any graves.</li> <li>- LG stated that Stanger Weekly and the Courier are some of the Local Newspapers that GA Environment can consider for advertising the project as part of the Notification Phase. LG also stated that he can provide GA Environment with details of the best location for the placement of the Draft Basic Assessment Report.</li> </ul>	<p><b>WM</b></p> <p><b>LG</b></p>	<b>To be confirmed</b>
<b>6.</b>	<b>General and Closing</b>		
	<ul style="list-style-type: none"> <li>- NK requested any additional background information from KDM where available.</li> <li>- NM requested contributions from attendees on what information should be incorporated in the presentation to the council. These were said to be the proposed end use of the project</li> <li>- NM indicated that the GA Environment team will proceed to the site for a site visit. The site visit</li> </ul>		



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<b>7.</b>	<b>Next Meeting and Closure</b>		
	<ul style="list-style-type: none"> <li>- GA Environment will provide meeting minutes and advise on any future meetings</li> <li>- NK thanked the KDM for their involvement in the project and for availing themselves for the meeting.</li> <li>- Meeting was closed at 11h55</li> </ul>		

# MINUTES OF MEETING

## APPROVAL OF MINUTES:

Local Municipality Representative: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

GA Environment Representative: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA



# MINUTES OF MEETING

**PROJECT NAME:** Basic Assessment for the proposed Decommissioning (Closure) of the Shakaville Landfill, KwaDukuza Local Municipality

**MEETING:** Project Inception

**CHAIRPERSON:** Ntsebo Mkhize

**RECORDED BY:** Nyaladzi Nleya

**DATE:** 20 September 2017

**TIME:** 10:30-12:30

**VENUE:** KwaDukuza Local Municipality (No. 2 Industria Crescent, Lavoipierre Building, KwaDukuza)

ATTENDANCE			
Name	Organization	Email address	Office Contacts
Njabulo Ngwane (NN)	KwaDukuza Local Municipality	<a href="mailto:njabulon@kwadukuza.gov.za">njabulon@kwadukuza.gov.za</a>	032 437 5176
Wilson Mhlongo (WM)	KwaDukuza Local Municipality	<a href="mailto:wilsonm@kwadukuza.gov.za">wilsonm@kwadukuza.gov.za</a>	078 683 6427
Lindokuhle Gingwana (LG)	Ward 18 Councillor	<a href="mailto:lindokuhleg@kwadukuza.gov.za">lindokuhleg@kwadukuza.gov.za</a>	073 280 2300
Chuma Gushu (CG)	DEA-LGS (iLembe)	<a href="mailto:Chuma.Gushu@ilembe.gov.za">Chuma.Gushu@ilembe.gov.za</a> <a href="mailto:cgushu@environment.gov.za">cgushu@environment.gov.za</a>	078 567 4246
Nomusa Xaba (NX)	EDTEA	<a href="mailto:Nomusa.xaba@kznedtea.gov.za">Nomusa.xaba@kznedtea.gov.za</a>	032 551 0904
Makwena Makgolane (MM)	Department of Water and Sanitation (DWS)	<a href="mailto:makgolane@dwa.gov.za">makgolane@dwa.gov.za</a>	012 336 8601
Nkhensani Khandhela (NK)	GA Environment (Pty) Ltd	<a href="mailto:nkhensanik@gaenvironment.com">nkhensanik@gaenvironment.com</a>	011 312 2537
Nyaladzi Nleya (NN2)	GA Environment (Pty) Ltd	<a href="mailto:nyaladzin@gaenvironment.com">nyaladzin@gaenvironment.com</a>	011 312 2537
Ntsebo Mkhize (NM)	GA Environment (Pty) Ltd	<a href="mailto:ntsebom@gaenvironment.com">ntsebom@gaenvironment.com</a>	011 312 2537
APOLOGIES			
Masupha Mathenjwa (MM2)	iLembe District Municipality	<a href="mailto:Masupha.Mathenjwa@ilembe.gov.za">Masupha.Mathenjwa@ilembe.gov.za</a>	032 437 9300
DISTRIBUTION			
All Meeting Attendees and parties who sent apologies			



## MINUTES OF MEETING

Item	Description	Responsible	Due Date
	<ul style="list-style-type: none"> <li>- NN noted the question presented by WM and highlighted the need for this meeting to take place as soon as possible. Further to that, the municipality would like to receive monthly progress reports to enable the municipality to report to the council.</li> <li>- NN also extended an apology for the lack of representation from KwaDukuza Municipality at the meeting held in Pietermaritzburg.</li> <li>- NM reiterated that the meeting was to introduce the project team and obtain background information on the Shakaville Landfill site.</li> <li>- NK provided background to the overall project and past experience obtained on other Landfill applications. She stated that the current status of many landfills in South Africa is a concern due to the danger they pose to livestock, communities and other various other aspects of the biophysical environment. This has led the minister to formalize all unlicensed landfills according to the National Environmental Management Act, 1998 (Act No 107 of 1998 (NEMA) and the National Environmental Management Waste Act (Act No 59 of 2008).</li> </ul>		
<b>3.</b>	<b>Site information</b>		
	<ul style="list-style-type: none"> <li>- WM highlighted that waste disposal on site ceased around the year 2000 after almost 30 years of operation. The KwaDukuza Local Municipality currently disposes of their waste at the Licensed and Privately-Owned Dolphin Coast Landfill. WM added that there is no regional landfill within the iLembe District Municipality.</li> <li>- WM stated the KDM's IWMP is in the final stages</li> <li>- WM stated that the site is naturally rehabilitated LG mentioned that approximately 20 families reside within the boundaries of the landfill and at least 13 of these were unable to be provided with</li> </ul>	<b>Info.</b>	

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Signature: \_\_\_\_\_



environmental affairs

Department:  
Environmental Affairs  
**REPUBLIC OF SOUTH AFRICA**

**BASIC ASSESSMENT AND WASTE MANAGEMENT LICENCE  
APPLICATION PROCESSES FOR THE DECOMMISSIONING  
(CLOSURE) OF THE SHAKAVILLE LANDFILL**



**GA Environment**



# PRESENTATION OUTLINE



GA Environment

- **Background to the project**
- **Background of GA Environment (Pty) Ltd, scope of work and experience on similar Projects**
- **Legislative Framework (timeframes, public participation, etc.)**
- **Activities associated with landfill decommissioning**
- **Typical conditions of a Waste Management Licence (WML)**
- **Landfill End-use**

# BACKGROUND



GA Environment

- **Complaints** about the state and impacts of numerous municipal landfills received by the Department of Environmental Affairs (DEA)
- DEA Initiative- Operational or Decommissioning (Closure) Licences
- **Shakaville landfill** to be licensed for Decommissioning, Waste Management Licence (WML) issued by KwaZulu Natal Department of Economic Development, Tourism and Environmental Affairs (EDTEA)
- WML- funding opportunities, budgeting, etc.
- *GA Environment (Pty) Ltd appointed directly by DEA*

**DEA will bear all costs associated with obtaining the WML for the Shakaville Landfill**  
**BUT** will not bear the costs for detailed designs, additional studies outlined in licence,  
**determination of waste volumes, construction of landfill and monitoring requirements,**  
**etc.**



# SHAKAVILLE LANDFILL SITE BACKGROUND



GA Environment

Date of Aerial Image - April 2017





# SHAKAVILLE LANDFILL SITE BACKGROUND



GA Environment

Date of Aerial Image - February 2006



# KEY PROJECT STAKEHOLDERS



GA Environment

- **Client and Project Sponsor** - Department of Environmental Affairs (DEA)
- **Applicant and landowner**- KwaDukuza Local Municipality
- **Competent Authority**- KwaZulu Natal Department of Economic Development, Tourism and Environmental Affairs (EDTEA), issue WML
- **Department of Water and Sanitation**- Capping requirements, stormwater infrastructure etc. provide inputs into the licence conditions
- **Environmental Consultant and Specialists**- GA Environment (Pty) Ltd, BA and WML processes





GladAfrica Group Board of Directors

Kulani Curtis Lebeso Group Chief Executive Officer

Sigi Naidoo Chief Operations Officer

Executive Committee



Sarel Oberholzer  
(Pr Eng, Pr CPM)  
Managing Director,  
GladAfrica Consulting Engineers

- Services
- Civil Engineering
  - Transportation Planning
  - Structural Engineering
  - Mechanical Engineering
  - Water and Sanitation Engineering
  - Electrical Engineering
  - Rail Engineering
  - Pavement Engineering
  - Advisory Services



Andre Jooste  
(Pr Eng, PMP)  
Managing Director,  
GladAfrica Project Managers

- Project Management
- Programme Management
- Construction Management
- Real Estate Development Management
- Tenant Coordination & Installations
- Development Management
- Advisory Services

**GA Environment**

Andrew Woghiren  
(Pri Sci Nat)  
Managing Director,  
GA Environment

- Strategic planning and environmental advisory
- Conservation planning and biodiversity management
- Environmental licensing and permits
- Occupational health and safety services
- Environmental compliance monitoring
- Integrated management plans
- Geospatial services



Mpho Mashile  
(CA) SA  
Executive Head,  
GladAfrica Investments

- Investment in existing commercial property
- Investing in part of existing company or whole
- Investment in Bond Instrument
- Stock
- Infrastructure funding

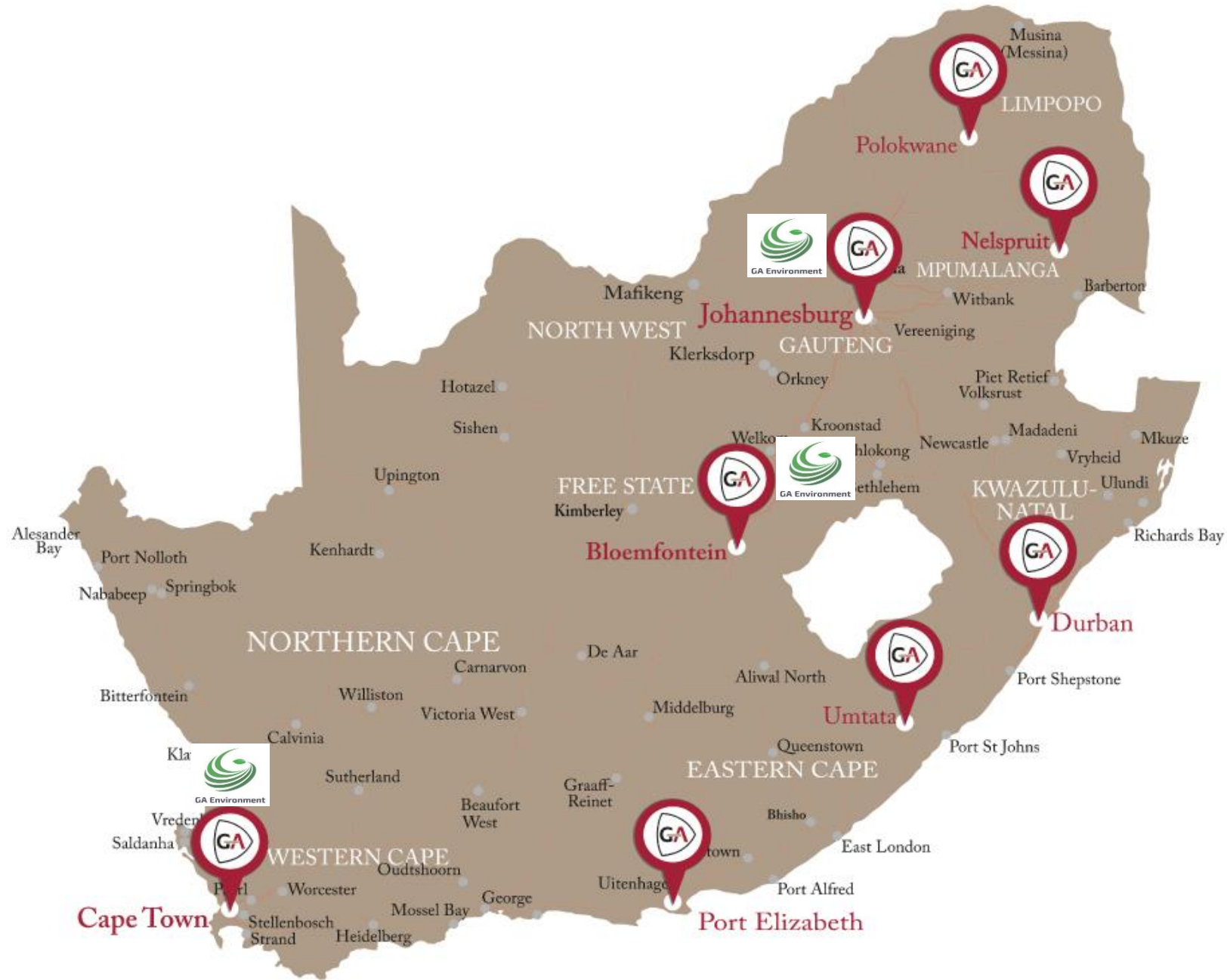
**Group Support Departments**

- Group
- GCEO
- EC Office
- Finance
- Corporate Services
  - HR
  - Legal
  - Operations & Logistics
  - Marketing
  - Business Development

100% Black owned, BBBEE Level 1

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Polokwane

LIMPOPO

Musina (Messina)

Barberton

Witbank

Vereeniging

Orkney

Klerksdorp

Mafikeng

NORTH WEST

Hotazel

Sishen

Upington

Welkom

GAUTENG

Phokong

Jethlehem

Newcastle

Vryheid

Ulundi

Richards Bay

KWAZULU-NATAL

GAUTENG

FREE STATE

Kimberley

Alexander Bay

Port Nolloth

Nababeep

Springbok

Kenhardt

NORTHERN CAPE

Bitterfontein

Williston

Victoria West

Klaarwater

Calvinia

Sutherland

Carnarvon

De Aar

Middelburg

Aliwal North

Queenstown

Port St Johns

Port Shepstone

EASTERN CAPE

Graaff-Reinet

Bhisho

East London

Saldanha

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# EXPERIENCE ON SIMILAR PROJECTS AND CURRENT WASTE MANAGEMENT LICENCE PROCESSES



- **Year 2015-** Total of 47 landfills identified by DEA
  - GA Environment appointment for licensing of **26** Landfills [ Three (3) in Mpumalanga, six (6) in North West, 17 in the Northern Cape]
- **Year 2017** – Total of twelve (12) landfills identified by DEA
  - GA Environment appointment for licensing of **four (4)** Landfills
    - ***Emadlangeni***- Decommissioning
    - ***Mkhuze***- Operation
    - ***Shakaville***- Decommissioning
    - ***uMzimkhulu***- Decommissioning

# GA ENVIRONMENT SCOPE OF WORK



GA Environment

- Undertaking of Basic Assessment and Waste Management Licence Application Processes for the Shakaville Landfill
- Specialist Studies:
  - Ecological Study;
  - Geotechnical and Geohydrological assessment; and
  - Conceptual Engineering Designs and Report.

# BASIC ASSESSMENT AND WASTE MANAGEMENT LICENCE PROCESS



GA Environment

- **Disused landfill** **BUT** a Waste Management Licence must still be obtained to formally decommission the facility
- **Legislative Framework-**
  - *National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998), as amended*
  - *NEMA Environmental Impact Assessment (EIA) Regulations, 2014 as amended*
  - *National Environmental Management Waste Act, (NEM:WA) 2008 (Act No. 59 of 2008), as amended*
  - *NEM:WA 2008 Listed activities (Government Notice 921, November 2013)*
  - *National Norms and standards for the disposal of waste to landfills (Government Notice 921, August 2013)*
  - *DWAF Minimum Requirements for Waste Disposal by landfill (1998)*

# BASIC ASSESSMENT AND WASTE MANAGEMENT LICENCE PROCESS



- **WHY A BASIC ASSESSMENT?**

According to the National Environmental Management Waste Act (NEM:WA) 2008 (Act No. 59 of 2008) as amended, the licensing of the Shakaville landfill requires that a Basic Assessment be undertaken **as per the NEM:WA 2008 Listed activities (Government Notice 921, November 2013). The Waste Management listed activity that will be triggered by the development is:**

**Category A - Activity 14** *The decommissioning of a facility for a waste management activity listed in Category A or B of this schedule*

# BASIC ASSESSMENT AND WASTE MANAGEMENT LICENCE PROCESS



GA Environment

- **UNDERTAKING OF A BASIC ASSESSMENT**
  - Chapter 3 to 4 of the NEMA EIA regulations, 2014 as amended
  - Chapter 3- General Requirements for applications
  - Chapter 4- Application for Environmental Authorisation
    - Part 1 General information (and Appendices) **Signed Application Forms and Letter of Authority**
    - Part 2 & Appendix 1: Basic Assessment Process and Report ( Includes Appendices, e.g. Maps, Specialist Reports, Closure Plans, **Proof of Public Participation**, etc)

# BASIC ASSESSMENT AND WASTE MANAGEMENT LICENCE PROCESS



GA Environment

- **PUBLIC PARTICIPATION LEGISLATIVE REQUIREMENTS**

- Chapter 6 of the NEMA EIA Regulations, as amended and Section 47D of NEMA, 1998 as amended- Requirements for Public Participation
  - **Notice Board, i.e Site Notice** [ NEMA EIA Regulations *Section 41 (2)(a), (3) & (5)*]
  - **Written Notice** [*NEMA EIA Regulations Section 41 (2)(b)*] notify owners, occupiers of property and adjacent properties, Ward Councillor, Municipality, organs of state, etc.
  - **Newspaper Advert** [*NEMA EIA Regulations Section 41 (2)(c)*], **Local Newspaper ( Stanger Weekly)** or National
  - **Register of Interested and Affected Parties** (*NEMA EIA Regulations Section 42*)
  - **Comments and Responses Report** (*NEMA EIA Regulations Section 44*)
  - **Public Meetings?**

# BASIC ASSESSMENT AND WASTE MANAGEMENT LICENCE PROCESS



GA Environment



environmental affairs  
Department  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA



GA Environment

English

**BASIC ASSESSMENT PROCESS FOR THE PROPOSED DECOMMISSIONING (CLOSURE)  
OF THE SHAKAVILLE LANDFILL, KWADUKUZA LOCAL MUNICIPALITY, KWAZULU NATAL  
PROVINCE**

**NOTIFICATION LETTER AND AN INVITATION TO COMMENT AND REGISTER AS AN INTERESTED AND  
AFFECTED PARTY**

isiZulu

**ISICELO SEMVUME YOKUHLOLWA OKUYISISEKELO NOKUNAKEKELWA KODOTI  
OKUHLONGOZWAYO KWENDAWO YOKULAHLA UDOTI ESHAKAVILLE KUMASIPALA  
WENDAWO YASE KWADUKUZA, KWAZULU NATAL PROVINCE**

**INCWADI YESAZISO NESIMEMO SOKUVEZA UMBONO NESOKUBHALISA NIENGOTHANDAYO NOMA  
OTHINTEKAYO**

October 2017/ uMfumu 2017

NOTIFICATION LETTER





# BASIC ASSESSMENT AND WASTE MANAGEMENT LICENCE PROCESS



GA Environment

- **BASIC ASSESMENT REPORT (BAR) , PUBLIC REVIEW AND ISSUING OF LICENCE**
  - NEMA EIA regulations 2014 as Amended- Part 2 & Appendix 1
    - **At least 30 days for review of Draft BAR** - Public, Applicant ( KwaDukuza Local Municipality), Ilembe District Municipality, Ward Councillor, Competent Authority, Department of Water and Sanitation, etc.
    - **Comments must be received by GA Environment *within the 30 days***
    - Comments captured in Comments and Responses Report in Draft and Final BARs
    - **BARs** to incorporate all comments
    - Licence issued by EDTEA within 107 days of the receipt of the **Final Report**
    - **All** Registered I&APs will be informed of issuing of licence and Appeal Processes

# TYPICAL CONDITIONS OF A WASTE MANAGEMENT LICENCE



GA Environment

- Date by which construction activities associated with closure must commence
- Validity of Licence
- Capping (cover) Specifications
- Stormwater Management Requirements
- Leachate Management Requirements
- Surface and Groundwater Monitoring
- Record Keeping

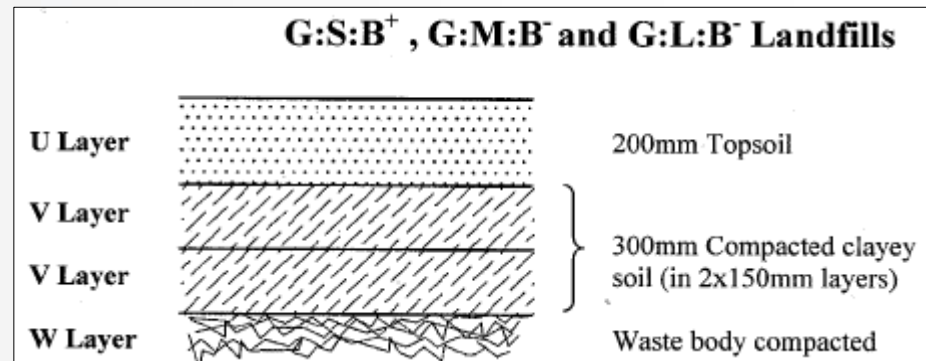
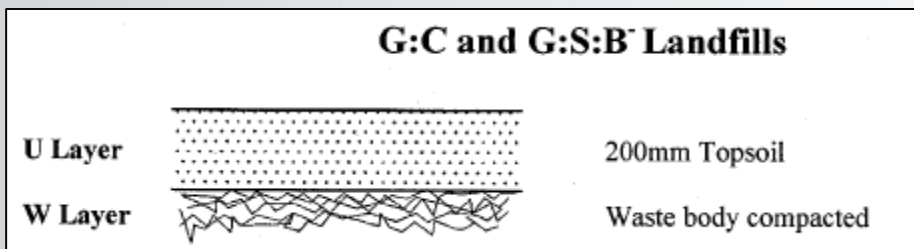
# DECOMMISSIONING AND REHABILITATION



GA Environment

Will *typically* entail the following:

1. Shaping and landscaping of the waste body;
2. The construction of stormwater and leachate management infrastructure;
3. Capping of the waste body in accordance with the DWAF Minimum Requirements for Waste Disposal by landfill;



4. Vegetative cover of the final landform;
5. The construction of the required end-use infrastructure; and
6. Post closure environmental monitoring where necessary.

# END USE FOR THE SHAKAVILLE LANDFILL SITE



GA Environment

- Vision of Municipality is a Stadium (Pre- Application Meeting, 20.09.2017)
- DWAF Minimum Requirements for Waste Disposal by landfill (1998) closure objectives:
  - Site to be **environmentally** and **socially** acceptable as well as suited to end use
- **Site Suitability for Stadium?**
  - To be determined after the conclusion of the BA & WML Processes
  - Liaison with Authorities is imperative as BA, EIA, etc. could be triggered

**THANK YOU**



**GA Environment**